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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

CERVETTI, DAVID GARCIA

ART UNIT PAPER NUMBER

2136

DATE MAILED: 09/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

87

Office Action Summary

Application No.

10/004,301

Applicant(s)

FREY ET AL.

Examiner

David G. Cervetti

Art Unit

2136

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 June 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-48 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-48 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11/2/01, 6/22/05 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Applicant's arguments filed June 22, have been fully considered but they are not persuasive.

Response to Amendment

2. The examiner withdraws the objection to the specification.
3. The examiner maintains the objection to the drawings.
4. The examiner withdraws the rejection of claims 11, 27, 43 under 35 U.S.C. 112, second paragraph.
5. Wood et al. teach a security architecture providing a single sign-on. Security credential are used to maintain continuity of a persistent session across multiple accesses (see Abstract). Furthermore, the entry handler functionality (column 9, lines 65-67, column 10, lines 1-29) teaches using the information gathered by the gatekeeper to determine particular authentication mechanisms to trust levels and for authorization decisions.
6. Assuming arguendo that Wood et al. does not expressly teach that a second signal representing a second request to the secure resource is sent from the server wherein the second request includes the required security credential as determined without the intervention of the user, it would have been obvious to one of ordinary skill in the art to modify Wood et al. to send a second signal representing a second request including security credentials since to access a secure resource since that is the functionality provided by Wood et al. Wood et al. expressly teach a single sign-on architecture, where a user is authenticated, and then a mapped set of credentials is

Art Unit: 2136

used to access secure resources (column 14, lines 1-67). Furthermore, the single sign-on architecture of Wood et al. may be implemented in different ways (column 21, lines 20-42). Therefore, using a particular method of authentication or sending a specific number of request, is irrelevant to the final result achieved by both, the instant application and Wood et al., of accessing secure resources within a network.

Drawings

7. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: 408 (page 4, line 1, perhaps 208 was intended), 616 (page 14, line 3). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

8. Claim 16 is objected to because of the following informalities: it states "currently amended", but there is no changes with respect to previous version of claim 16. Claim

Art Unit: 2136

16 is similar to claims 32 and 48, which are not amended. Examiner has interpreted this as a mistake and thus treated claim 16 as "original". Appropriate correction is required.

Claim Rejections - 35 USC § 102

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

10. Claims 1-48 are rejected under 35 U.S.C. 102(e) as being anticipated by Wood et al. (US Patent Number: 6,668,322, hereinafter "Wood").

Regarding claim 1, Wood teaches a method for use in a server, comprising: receiving at the server a signal representing a request from a remote user for a secure resource residing on a network employing a generic application-layer network protocol (column 9, lines 19-40); determining, without the intervention of the user, the type of security credential for the remote user that is required to access the secure resource (column 9, lines 65-67, column 10, lines 1-29); and sending from the server a signal representing a second request to the secure resource, the second request including a

Art Unit: 2136

security credential for the user of the type required to access the secure resource (column 12, lines 66-67, column 13, lines 1-20).

Regarding claim 17, Wood teaches an apparatus for use in a server, comprising: means for receiving at the server a signal representing a request from a remote user for a secure resource residing on a network employing a generic application-layer network protocol (column 9, lines 19-40); means for determining, without the intervention of the user, the type of security credential for the remote user that is required to access the secure resource (column 9, lines 65-67, column 10, lines 1-29); and means for sending from the server a signal representing a second request to the secure resource, the second request including a security credential for the user of the type required to access the secure resource (column 12, lines 66-67, column 13, lines 1-20).

Regarding claim 33, Wood teaches one or more computer-readable media tangibly embodying a program of instructions executable by a computer to perform a method for use in a server, the method comprising: receiving at the server a signal representing a request from a remote user for a secure resource residing on a network employing a generic application-layer network protocol (column 9, lines 19-40); determining, without the intervention of the user, the type of security credential for the remote user that is required to access the secure resource (column 9, lines 65-67, column 10, lines 1-29); and sending from the server a signal representing a second request to the secure resource, the second request including a security credential for

Art Unit: 2136

the user of the type required to access the secure resource (column 12, lines 66-67, column 13, lines 1-20).

Regarding claims 2, 18, and 34, Wood teaches authenticating the user before sending the signal representing the second request (column 12, lines 10-37).

Regarding claims 3, 19, and 35, Wood teaches receiving at the server a signal representing a response to the second request (column 15, lines 5-6); and sending from the server a signal representing a result to the remote user (column 15, lines 7-8), the result based on the response to the second request (column 14, lines 60-67, column 15, lines 1-8).

Regarding claims 4, 20, and 36, Wood teaches wherein the request includes a logon credential for the remote user, further comprising: authenticating the remote user based on the logon credential before sending the second request (column 14, lines 20-60).

Regarding claims 5, 21, and 37, Wood teaches wherein the request includes a logon credential for the remote user and the type of security credential required to access the secure resource includes the logon credential, further comprising: sending the signal representing the second request to the secure resource, the second request including the logon credential (column 14, lines 20-67).

Regarding claims 6, 22, and 38, Wood teaches receiving at the server a signal representing a single-sign-on (SSO) credential generated by a SSO provider based on the logon credential (column 13, lines 60-67, column 14, lines 1-10); and sending from the server a signal representing the SSO credential to the secure resource when the

Art Unit: 2136

type of credential required to access the secure resource includes the SSO credential (column 12, lines 66-67, column 13, lines 1-20).

Regarding claims 7, 23, and 39, Wood teaches sending from the server a signal representing the SSO credential to the secure resource when the type of credential required to access the secure resource includes a second SSO token corresponding to a second SSO provider having a trust relationship with a first SSO provider corresponding to the SSO token (column 6, lines 9-56).

Regarding claims 8, 24, and 40, Wood teaches receiving at the server a signal representing a second SSO credential generated by a second SSO provider based on the first SSO credential (column 13, lines 60-67, column 14, lines 1-10); and sending from the server a signal representing the second SSO credential to the secure resource when the type of credential required to access the secure resource includes the second SSO credential (column 12, lines 66-67, column 13, lines 1-20).

Regarding claims 9, 25, and 41, Wood teaches wherein the generic application-layer network protocol is hypertext transfer protocol (column 9, lines 19-40, column 11, lines 1-11).

Regarding claims 10, 26, and 42, Wood teaches receiving at the server a signal representing data in response to the second request (column 15, lines 1-8); and sending from the server a signal representing at least a portion of the data to the remote user (column 15, lines 1-8).

Regarding claims 11, 27, and 43, Wood teaches wherein the secure resource includes a Web site, and the data is hypertext mark-up language (column 15, lines 1-8).

Regarding claims 12, 28, and 44, Wood teaches wherein the receiving includes receiving at the server a signal representing a request from the remote user for a second secure resource residing on the network (column 9, lines 53-64), further comprising: determining, without the intervention of the user, the type of security credential for the remote user that is required to access the second secure resource (column 9, lines 65-67, column 10, lines 1-29); and sending from the server a signal representing a third request to the second secure resource, the third request including a security credential for the user of the type required to access the second secure resource (column 12, lines 66-67, column 13, lines 1-20); and wherein the signals representing the second and third requests are sent concurrently (column 9, lines 19-64).

Regarding claims 13, 29, and 45, Wood teaches wherein the types of security credentials included in the second and third requests differ (column 16, lines 15-35).

Regarding claims 14, 30, and 46, Wood teaches wherein the types of security credentials included in the second and third requests are the same (column 16, lines 15-35).

Regarding claims 15, 31, and 47, Wood teaches receiving at the server a signal representing the security credential from the user before receiving the signal representing the request (column 13, lines 30-37, column 14, lines 4-20).

Regarding claims 16, 32, and 48, Wood teaches storing the security credential at least until sending the signal representing the second request (column 13, lines 30-37, column 14, lines 4-20).

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Cohen et al. (US Patent Number: 6,178,511). Cohen et al. disclose a single sign-on system where mapped authentication credentials are used to access secure resources, including email, and database servers (see Abstract and column 2, lines 22-67).

12. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.


13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David G. Cervetti whose telephone number is (571) 272-5861. The examiner can normally be reached on Monday-Friday 7:00 am - 5:00 pm, off on Wednesday.

Art Unit: 2136

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R. Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DGC


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